



# CALIFORNIA AGRICULTURAL EMPLOYMENT AND EARNINGS BULLETIN

Serving the People of California

September 1991

## JULY 1991

This bulletin covers 27 agricultural industries statewide, and from five to seventeen industries in each of six regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details). The data are organized into sets of tables by state and region:

- Wage and Salary Workers (Table A).
- Agricultural Production Workers (Table B).
- Average Weekly Earnings of Production Workers (Table C).
- Average Hours Worked by Production Workers (Table D).
- Average Hourly Earnings of Production Workers (Table E).

For the month of July 1991, Agricultural employment totaled 436,400 (Table 1-A), which is three percent below the June 1991 level. A year-ago, total employment was 429,000. Month-over declines in the San Joaquin Valley (Grapes and Farm Labor Contracting) and Desert (Farm Labor Contracting) accounted for most of the losses. Freeze-affected industries (Citrus, Horticulture and Crop Preparation Services for Market) still remain below year-ago levels. The region most affected is the San Joaquin Valley.

### Wage and Salary Workers in Agricultural Establishments

For July 1991

(In Thousands)

Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	436.4	195.6	71.9	78.7	40.4	34.7	14.8
Total Crops	258.0	106.1	49.3	54.4	16.2	24.4	10.1
Total Livestock	28.2	14.6	2.9	1.2	5.1	2.2	2.1
Total Services	150.2	74.9	19.7	23.1	19.1	8.1	2.6

Source: Tables 1-A through 7-A, July 1991.

### REGIONAL CROP ACTIVITIES

Statewide, year-over employment increases in Crops Production (concentrated in grapes, vegetables and melons) outweighed losses in Farm Labor Contracting. Employment was above the year-ago level in the Central Coast, Desert and North Coast Regions, while the remaining three regions were below the employment totals of July 1990. (Tables 1-A through 7-A.)

According to the California Farm Labor Report (881A), the major regional crop activities during July were:

According to the California Farm Labor Report (881A), the major regional crop activities during July were:

- Desert: Grapes, melons and tomatoes (harvest).
- South Coast Horticulture (harvest), tomatoes (cultivate and harvest), strawberries and broccoli (plant, cultivate and harvest).
- Central Coast Broccoli, cauliflower, lettuce, strawberries, apricots, cucumbers and blackberries (harvest), lettuce and misc. vegetables (preharvest) and horticulture (plant, cultivate and harvest).
- San Joaquin Valley: Garlic, cantaloupes, lettuce, peaches, nectarines, peppers, plums, tomatoes, onions, and apricots (harvest), seed crops (preharvest), misc. vegetables (plant, cultivate and harvest), and cotton (chop and hoe).
- Sacramento Valley: Nectarines and plums (harvest), and orchards (thin).

### **Agricultural Production Workers**

The July statewide agricultural production worker employment figure was 405,400 (Table 1-B); this was three percent below the June level.

Average weekly earnings for agricultural production workers were \$265.86 statewide and ranged from \$241.03 in the San Joaquin Valley Region to \$316.35 in the Central Coast Region. (Tables 1-C through 7-C.)

Statewide, the average hours worked by agricultural production workers were 42.0, with a low of 40.0 hours in the Desert Region and a high of 46.7 hours in the Sacramento Valley Region. (Tables 1-D through 7-D.)

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## **Average Hourly Earnings of Production Workers**

For July 1991  
(In Dollars per Hour)

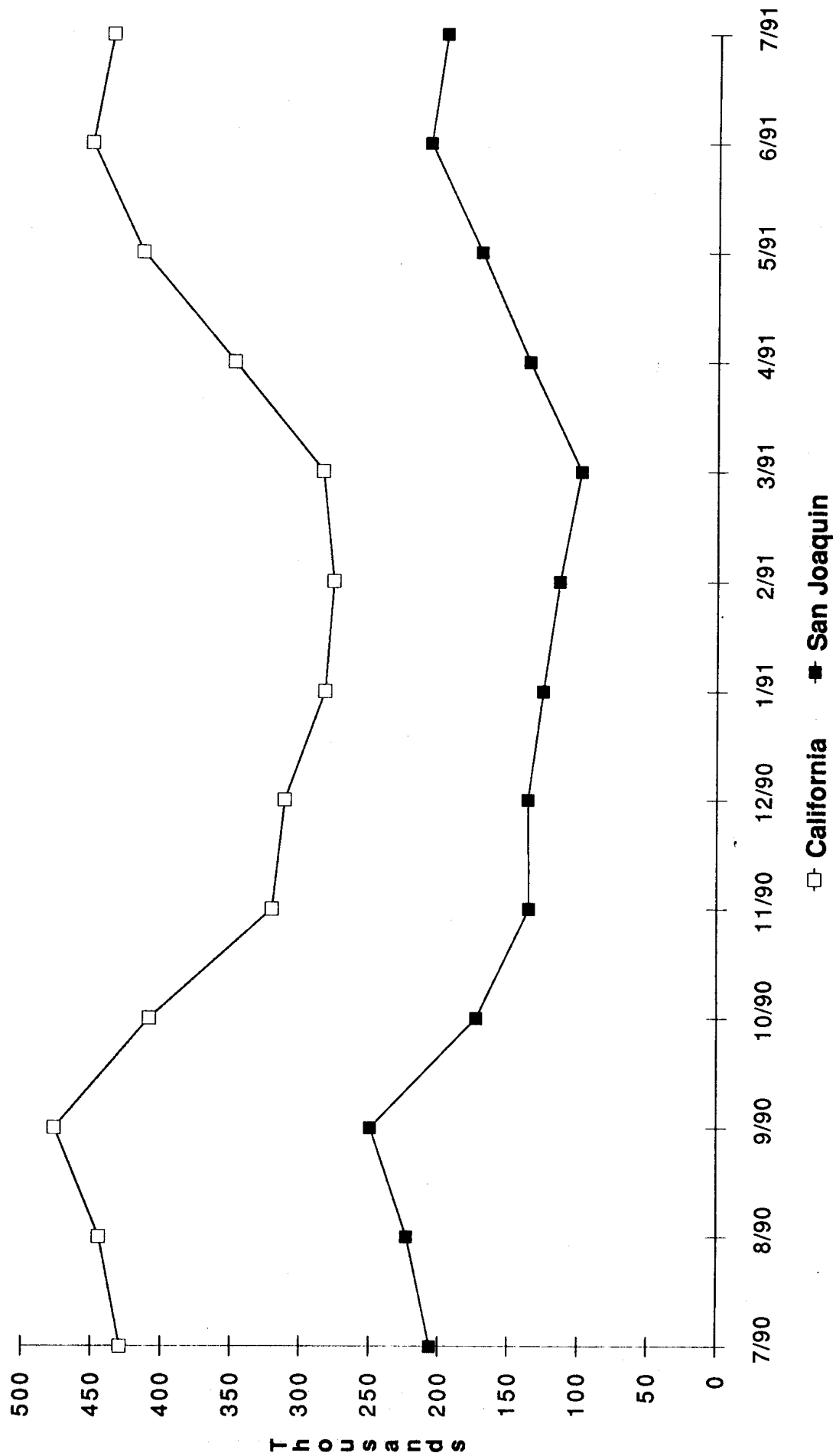
Industry	State-wide	San Joaquin	South Coast	Central Coast	Desert	Sacramento	North Coast
Total Agricultural	6.33	5.78	6.55	7.34	6.76	5.66	7.02
Total Crops	6.31	5.81	6.41	7.14	6.53	5.73	6.86
Total Livestock	6.95	6.82	6.50	8.03	8.09	6.52	6.60
Total Services	6.25	5.49	6.95	7.86	6.53	5.14	7.75

Source: Tables 1-E through 7-E, July 1991.

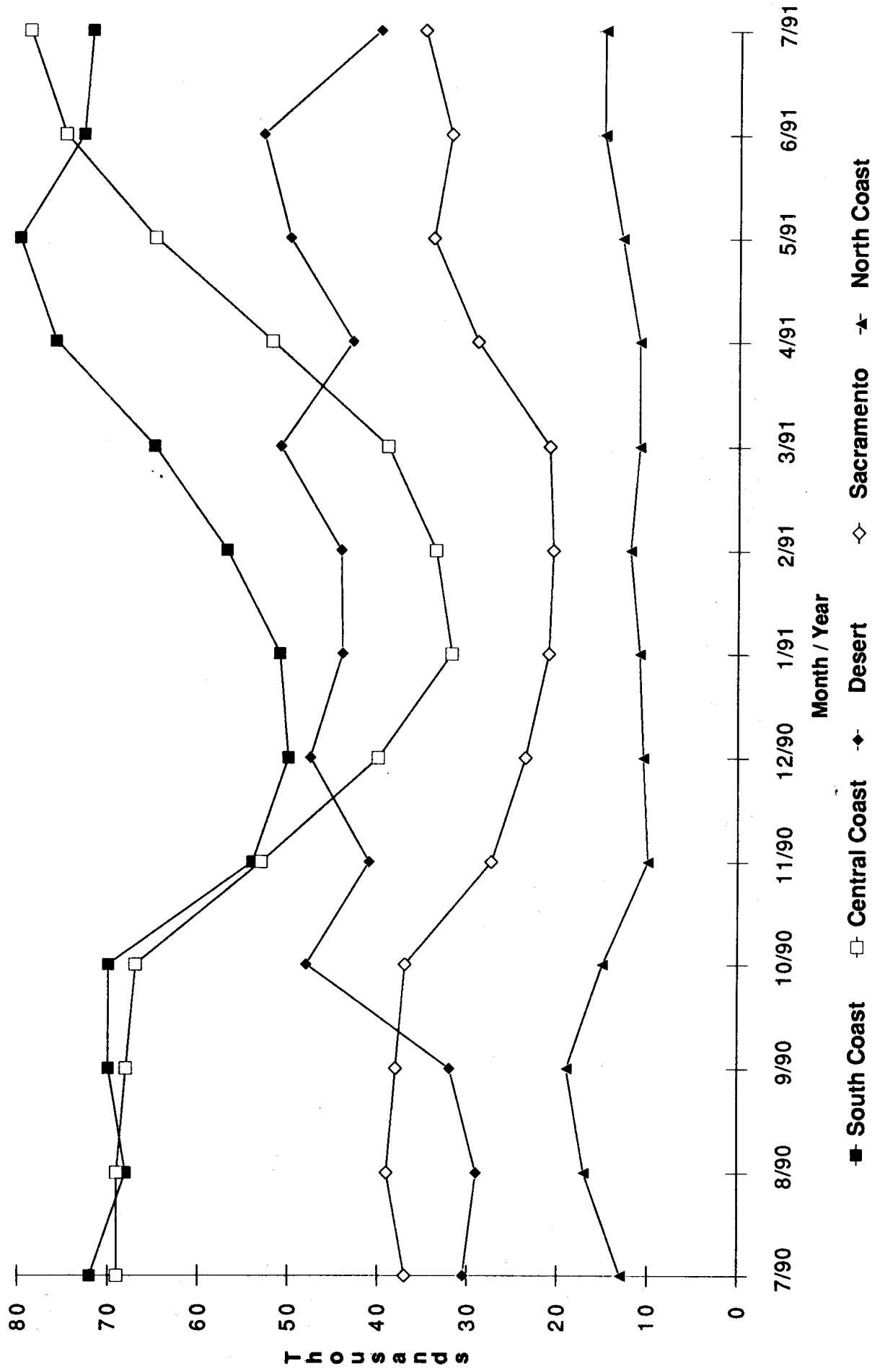
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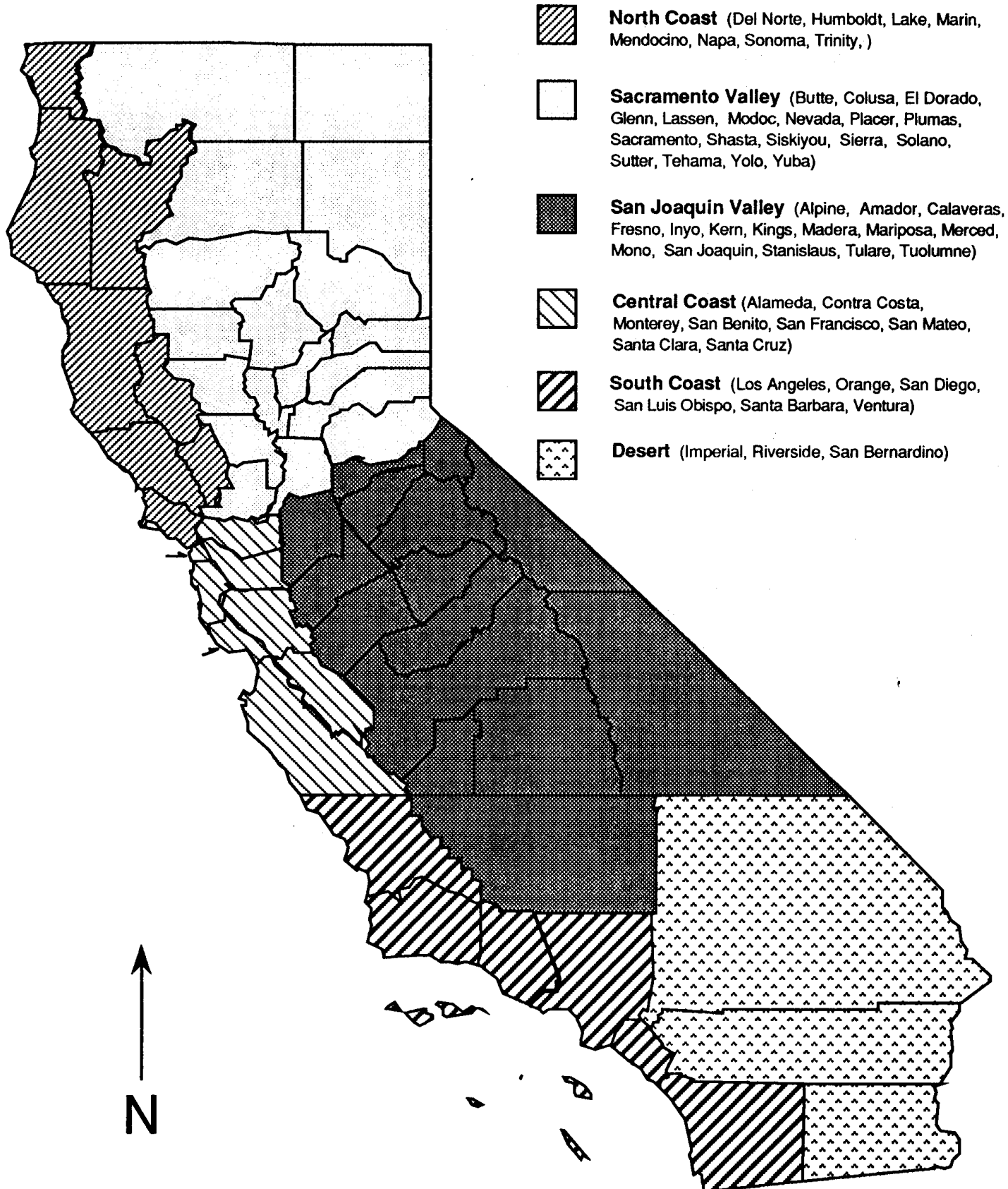
# **TOTAL WAGE & SALARY EMPLOYMENT** **California and San Joaquin Region**



# **TOTAL WAGE & SALARY EMPLOYMENT** **All Regions except San Joaquin**



**CES-AG REPORTING REGIONS**  
**LABOR MARKET INFORMATION DIVISION**  
**EMPLOYMENT DEVELOPMENT DEPARTMENT**



## **DATA SOURCES:**

The data are obtained from two sources: the Employment Development Department (EDD) Unemployment Insurance (UI) files, and a monthly survey, conducted by the Labor Market Information Division of EDD, of 4,000 agricultural employers. This sample, about 12% of the employers, was selected to be statistically representative of the state's agricultural employers by size, geographic location and industry categories.

Sample data are gathered for the week that includes the 12th calendar day of the month; thus all data in these bulletins represent activities taking place during this mid-month period. Since the full employer sample was not complete prior to October 1990, the data for production workers employment, earnings and hours are not yet available for year-over comparison.

## **DATA COMMENTS:**

**ESTIMATES FOR THE STATE AND SIX REGIONS ARE INDEPENDENTLY DERIVED. THEREFORE, THE SUM OF THE REGIONAL ESTIMATES WILL NOT NECESSARILY EQUAL THE STATEWIDE TOTAL.**

To aid in accurate usage and interpretation of the data, please note the following:

- Employment data do not include employers or unpaid family workers.
- It is important to note that average hourly earnings are not hourly wage rates; they are gross earnings of production workers divided by total hours for production workers.
- Figures for the current month are preliminary and subject to revision.
- Total agricultural employment estimates in this bulletin are derived from a new monthly sampling project: the Current Employment Statistics for Agriculture. Therefore, estimates in this bulletin will differ from other agricultural estimates published by this department because of differences in the number of agricultural industries covered and in the definition of workers.

If you wish to be placed on our mailing list to receive future issues of this publication, please send your name and address to: **Special Projects Unit, Labor Market Information Division, Employment Development Department, P.O. Box 826216, Sacramento, CA 94299-9994** or call (916) 427-4961. (ATSS 8-466-4961).

TABLE 1-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
CALIFORNIA  
(IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991	JUL 1990
TOTAL AGRICULTURAL	436.4	451.1	429.0
TOTAL AGRIC. PROD. CROPS	258.0	265.8	229.8
CASH GRAINS	3.9	3.8	3.7
RICE	1.7	1.8	1.7
OTHER CASH GRAIN	2.2	2.0	2.0
FIELD CROPS EXCEPT CASH GRAIN	17.0	17.5	14.3
COTTON	10.1	10.2	8.0
OTHER FIELD CROPS	6.9	7.3	6.3
VEGETABLES AND MELONS	44.6	42.8	36.6
TOTAL FRUIT AND TREE NUTS	122.1	128.6	101.9
BERRIES	26.2	28.7	21.5
GRAPES	46.4	51.8	31.6
TREE NUTS	5.8	6.0	6.1
CITRUS FRUITS	4.4	4.7	5.6
DECIDUOUS TREE FRUIT	24.0	22.1	24.9
OTHER FRUITS AND NUTS	15.3	15.3	12.2
TOTAL HORTICULTURAL SPECIALTIES	31.6	32.2	34.6
ORNAMENTAL FLORAL & NURS PRD	28.2	28.8	31.1
FOOD CROPS GROWN UNDR COVER	3.4	3.4	3.5
GENERAL FARM PRIMARILY CROP	38.8	40.9	38.7
TOTAL AGRIC. PROD. LIVESTOCK	28.2	28.0	28.2
BEEF CATTLE FEED LOTS	0.9	0.9	0.9
BEEF CATTLE EXCEPT FEED LOTS	4.0	4.1	4.1
DAIRY FARMS	13.6	13.3	13.3
CHICKEN EGGS	3.2	3.2	3.3
TURKEYS & TURKEY EGGS	1.4	1.3	1.4
OTHER LIVESTOCK	5.1	5.2	5.2
TOTAL AGRICULTURAL SERVICES	150.2	157.3	171.0
SOIL PREPARATION SERVICES	1.1	1.1	1.0
CROP SERVICES	52.4	52.4	52.8
CROP PLANT-CULT-PROTECTION	5.9	6.2	6.3
CROP HARVEST PRIM. MACHINE	11.2	10.8	9.6
CROP PREP. SERV. FOR MARKET	34.5	34.4	36.1
COTTON GINNING	0.8	1.0	0.8
TOTAL FARM LABOR & MANAGEMENT	96.7	103.8	117.2
FARM LABOR CONTRACTORS	88.7	94.8	106.8
FARM MANAGEMENT SERVICES	8.0	9.0	10.4

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 1-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	405.4	419.7
TOTAL AGRIC. PROD. CROPS	238.3	245.9
CASH GRAINS	3.4	3.3
RICE	1.4	1.5
OTHER CASH GRAIN	2.0	1.8
FIELD CROPS EXCEPT CASH GRAIN	15.7	16.1
COTTON	9.5	9.6
OTHER FIELD CROPS	6.2	6.5
VEGETABLES AND MELONS	41.7	39.9
TOTAL FRUIT AND TREE NUTS	115.9	122.3
BERRIES	25.7	28.1
GRAPES	43.9	49.1
TREE NUTS	5.2	5.4
CITRUS FRUITS	4.0	4.3
DECIDUOUS TREE FRUIT	22.4	20.7
OTHER FRUITS AND NUTS	14.7	14.7
TOTAL HORTICULTURAL SPECIALTIES	26.3	26.7
ORNAMENTAL FLORAL & NURS PRD	23.4	23.8
FOOD CROPS GROWN UNDR COVER	2.9	2.9
GENERAL FARM PRIMARILY CROP	35.3	37.6
TOTAL AGRIC. PROD. LIVESTOCK	24.4	24.1
BEEF CATTLE FEED LOTS	0.7	0.7
BEEF CATTLE EXCEPT FEED LOTS	3.2	3.3
DAIRY FARMS	12.8	12.5
CHICKEN EGGS	2.4	2.4
TURKEYS & TURKEY EGGS	1.0	0.9
OTHER LIVESTOCK	4.3	4.3
TOTAL AGRICULTURAL SERVICES	142.7	149.7
SOIL PREPARATION SERVICES	0.8	0.8
CROP SERVICES	47.4	47.3
CROP PLANT-CULT-PROTECTION	5.0	5.3
CROP HARVEST PRIM. MACHINE	10.7	10.3
CROP PREP. SERV. FOR MARKET	31.2	31.0
COTTON GINNING	0.5	0.7
TOTAL FARM LABOR & MANAGEMENT	94.5	101.6
FARM LABOR CONTRACTORS	87.4	93.6
FARM MANAGEMENT SERVICES	7.1	8.0

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.



TABLE 1-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	265.86	266.07
TOTAL AGRIC. PROD. CROPS	275.12	274.24
CASH GRAINS	315.13	350.30
RICE	337.08	337.36
OTHER CASH GRAIN	300.64	361.76
FIELD CROPS EXCEPT CASH GRAIN	304.91	305.12
COTTON	306.91	311.20
OTHER FIELD CROPS	302.20	295.50
VEGETABLES AND MELONS	325.96	330.85
TOTAL FRUIT AND TREE NUTS	246.40	239.95
BERRIES	280.98	245.39
GRAPES	243.72	246.85
TREE NUTS	292.16	268.18
CITRUS FRUITS	291.62	277.29
DECIDUOUS TREE FRUIT	203.61	209.61
OTHER FRUITS AND NUTS	232.84	227.13
TOTAL HORTICULTURAL SPECIALTIES	293.80	303.29
ORNAMENTAL FLORAL & NURS PRD	287.38	300.45
FOOD CROPS GROWN UNDR COVER	346.54	328.45
GENERAL FARM PRIMARILY CROP	277.51	286.03
TOTAL AGRIC. PROD. LIVESTOCK	336.38	357.84
BEEF CATTLE FEED LOTS	417.38	411.07
BEEF CATTLE EXCEPT FEED LOTS	317.98	337.35
DAIRY FARMS	352.00	385.38
CHICKEN EGGS	302.86	283.34
TURKEYS & TURKEY EGGS	327.64	319.13
OTHER LIVESTOCK	312.91	336.48
TOTAL AGRICULTURAL SERVICES	239.38	237.46
SOIL PREPARATION SERVICES	572.29	525.05
CROP SERVICES	265.56	265.59
CROP PLANT-CULT-PROTECTION	307.48	310.22
CROP HARVEST PRIM. MACHINE	244.48	246.93
CROP PREP. SERV. FOR MARKET	264.77	262.68
COTTON GINNING	348.19	338.00
TOTAL FARM LABOR & MANAGEMENT	223.34	222.14
FARM LABOR CONTRACTORS	216.31	216.20
FARM MANAGEMENT SERVICES	308.76	292.66

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 1-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN HOURS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	42.0	42.3
TOTAL AGRIC. PROD. CROPS	43.6	43.6
CASH GRAINS	54.9	57.9
RICE	53.0	54.5
OTHER CASH GRAIN	56.3	60.8
FIELD CROPS EXCEPT CASH GRAIN	47.2	47.6
COTTON	45.2	45.9
OTHER FIELD CROPS	50.2	50.0
VEGETABLES AND MELONS	46.9	47.4
TOTAL FRUIT AND TREE NUTS	40.0	39.4
BERRIES	42.0	36.3
GRAPES	39.5	40.6
TREE NUTS	50.2	44.4
CITRUS FRUITS	41.6	39.5
DECIDUOUS TREE FRUIT	38.2	39.4
OTHER FRUITS AND NUTS	36.9	39.5
TOTAL HORTICULTURAL SPECIALTIES	45.2	45.2
ORNAMENTAL FLORAL & NURS PRD	45.4	45.8
FOOD CROPS GROWN UNDR COVER	43.7	40.6
GENERAL FARM PRIMARILY CROP	47.6	49.4
TOTAL AGRIC. PROD. LIVESTOCK	48.4	50.4
BEEF CATTLE FEED LOTS	55.8	55.7
BEEF CATTLE EXCEPT FEED LOTS	46.9	48.4
DAIRY FARMS	49.3	53.6
CHICKEN EGGS	50.9	45.7
TURKEYS & TURKEY EGGS	53.8	53.1
OTHER LIVESTOCK	43.4	44.1
TOTAL AGRICULTURAL SERVICES	38.3	38.8
SOIL PREPARATION SERVICES	54.4	50.1
CROP SERVICES	39.4	39.7
CROP PLANT-CULT-PROTECTION	46.8	44.7
CROP HARVEST PRIM. MACHINE	35.9	36.8
CROP PREP. SERV. FOR MARKET	39.4	39.8
COTTON GINNING	41.6	40.0
TOTAL FARM LABOR & MANAGEMENT	37.6	38.3
FARM LABOR CONTRACTORS	36.6	37.6
FARM MANAGEMENT SERVICES	49.8	46.9

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 1-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	6.33	6.29
TOTAL AGRIC. PROD. CROPS	6.31	6.29
CASH GRAINS	5.74	6.05
RICE	6.36	6.19
OTHER CASH GRAIN	5.34	5.95
FIELD CROPS EXCEPT CASH GRAIN	6.46	6.41
COTTON	6.79	6.78
OTHER FIELD CROPS	6.02	5.91
VEGETABLES AND MELONS	6.95	6.98
TOTAL FRUIT AND TREE NUTS	6.16	6.09
BERRIES	6.69	6.76
GRAPES	6.17	6.08
TREE NUTS	5.82	6.04
CITRUS FRUITS	7.01	7.02
DECIDUOUS TREE FRUIT	5.33	5.32
OTHER FRUITS AND NUTS	6.31	5.75
TOTAL HORTICULTURAL SPECIALTIES	6.50	6.71
ORNAMENTAL FLORAL & NURS PRD	6.33	6.56
FOOD CROPS GROWN UNDR COVER	7.93	8.09
GENERAL FARM PRIMARILY CROP	5.83	5.79
TOTAL AGRIC. PROD. LIVESTOCK	6.95	7.10
BEEF CATTLE FEED LOTS	7.48	7.38
BEEF CATTLE EXCEPT FEED LOTS	6.78	6.97
DAIRY FARMS	7.14	7.19
CHICKEN EGGS	5.95	6.20
TURKEYS & TURKEY EGGS	6.09	6.01
OTHER LIVESTOCK	7.21	7.63
TOTAL AGRICULTURAL SERVICES	6.25	6.12
SOIL PREPARATION SERVICES	10.52	10.48
CROP SERVICES	6.74	6.69
CROP PLANT-CULT-PROTECTION	6.57	6.94
CROP HARVEST PRIM. MACHINE	6.81	6.71
CROP PREP. SERV. FOR MARKET	6.72	6.60
COTTON GINNING	8.37	8.45
TOTAL FARM LABOR & MANAGEMENT	5.94	5.80
FARM LABOR CONTRACTORS	5.91	5.75
FARM MANAGEMENT SERVICES	6.20	6.24

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 2-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SAN JOAQUIN VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991	JUL 1990
TOTAL AGRICULTURAL	195.6	207.0	206.4
TOTAL AGRIC. PROD. CROPS	106.1	114.2	94.7
TOTAL FIELD CROPS	13.4	13.6	11.9
COTTON	9.6	9.7	7.5
OTHER FIELD CROPS	3.8	3.9	4.4
VEGETABLES AND MELONS	8.8	8.9	7.5
TOTAL FRUIT AND TREE NUTS	60.2	66.7	50.6
GRAPES	28.9	34.5	23.0
TREE NUTS	3.5	3.8	3.5
CITRUS FRUITS	1.8	1.8	2.7
DECIDUOUS TREE FRUIT	16.0	16.7	14.3
OTHER FRUITS AND NUTS	10.0	9.9	7.1
HORTICULTURAL SPECIALTIES	2.4	2.7	3.0
GENERAL FARM PRIMARILY CROP	21.3	22.3	21.7
TOTAL AGRIC. PROD. LIVESTOCK	14.6	14.5	14.3
BEEF CATTLE FEED LOTS	0.3	0.4	0.4
BEEF CATTLE EXCEPT FEED LOTS	1.5	1.5	1.6
DAIRY FARMS	8.9	8.8	8.3
POULTRY & EGGS	2.8	2.7	2.8
OTHER LIVESTOCK	1.1	1.1	1.2
TOTAL AGRICULTURAL SERVICES	74.9	78.3	97.4
CROP SERVICES	23.9	22.7	27.5
CROP PLANT-CULT-PROTECTION	4.3	4.3	4.0
CROP HARVEST PRIM. MACHINE	2.5	2.4	3.7
CROP PREP. SERV. FOR MARKET	16.3	15.0	19.0
COTTON GINNING	0.8	1.0	0.8
TOTAL FARM LABOR & MANAGEMENT	51.0	55.6	69.9
FARM LABOR CONTRACTORS	48.0	51.9	65.1
FARM MANAGEMENT SERVICES	3.0	3.7	4.8

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 2-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	183.7	194.9
TOTAL AGRIC. PROD. CROPS	99.4	107.4
TOTAL FIELD CROPS	12.5	12.6
COTTON	9.1	9.1
OTHER FIELD CROPS	3.4	3.5
VEGETABLES AND MELONS	8.4	8.4
TOTAL FRUIT AND TREE NUTS	57.1	63.8
GRAPES	27.6	33.3
TREE NUTS	3.2	3.5
CITRUS FRUITS	1.5	1.6
DECIDUOUS TREE FRUIT	15.1	15.7
OTHER FRUITS AND NUTS	9.7	9.7
HORTICULTURAL SPECIALTIES	2.1	2.4
GENERAL FARM PRIMARILY CROP	19.3	20.2
TOTAL AGRIC. PROD. LIVESTOCK	13.6	13.3
BEEF CATTLE FEED LOTS	0.3	0.3
BEEF CATTLE EXCEPT FEED LOTS	1.3	1.3
DAIRY FARMS	8.4	8.2
POULTRY & EGGS	2.5	2.4
OTHER LIVESTOCK	1.1	1.1
TOTAL AGRICULTURAL SERVICES	70.7	74.2
CROP SERVICES	20.7	19.5
CROP PLANT-CULT-PROTECTION	3.5	3.5
CROP HARVEST PRIM. MACHINE	2.3	2.2
CROP PREP. SERV. FOR MARKET	14.4	13.1
COTTON GINNING	0.5	0.7
TOTAL FARM LABOR & MANAGEMENT	50.0	54.7
FARM LABOR CONTRACTORS	47.3	51.3
FARM MANAGEMENT SERVICES	2.7	3.4

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 2-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	241.03	245.80
TOTAL AGRIC. PROD. CROPS	247.51	248.11
TOTAL FIELD CROPS	310.48	312.91
COTTON	305.30	310.08
OTHER FIELD CROPS	322.44	321.13
VEGETABLES AND MELONS	249.60	246.40
TOTAL FRUIT AND TREE NUTS	232.15	233.38
GRAPES	238.01	255.11
TREE NUTS	295.50	266.48
CITRUS FRUITS	287.22	255.23
DECIDUOUS TREE FRUIT	204.06	196.46
OTHER FRUITS AND NUTS	230.41	201.44
HORTICULTURAL SPECIALTIES	321.32	342.34
GENERAL FARM PRIMARILY CROP	244.96	243.65
TOTAL AGRIC. PROD. LIVESTOCK	332.82	358.28
BEEF CATTLE FEED LOTS	427.55	466.99
BEEF CATTLE EXCEPT FEED LOTS	346.96	368.08
DAIRY FARMS	339.26	371.07
POULTRY & EGGS	299.04	295.17
OTHER LIVESTOCK	319.28	358.11
TOTAL AGRICULTURAL SERVICES	214.11	222.20
CROP SERVICES	250.08	242.41
CROP PLANT-CULT-PROTECTION	312.45	318.00
CROP HARVEST PRIM. MACHINE	285.66	290.14
CROP PREP. SERV. FOR MARKET	225.37	209.34
COTTON GINNING	351.90	336.13
TOTAL FARM LABOR & MANAGEMENT	199.26	215.06
FARM LABOR CONTRACTORS	192.32	209.75
FARM MANAGEMENT SERVICES	311.52	301.64

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 2-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN HOURS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	41.7	42.6
TOTAL AGRIC. PROD. CROPS	42.6	43.0
TOTAL FIELD CROPS	46.9	47.7
COTTON	44.7	45.4
OTHER FIELD CROPS	52.6	53.7
VEGETABLES AND MELONS	45.3	44.8
TOTAL FRUIT AND TREE NUTS	40.8	41.6
GRAPES	42.2	44.6
TREE NUTS	50.6	43.4
CITRUS FRUITS	44.6	41.3
DECIDUOUS TREE FRUIT	39.7	38.0
OTHER FRUITS AND NUTS	34.7	36.1
HORTICULTURAL SPECIALTIES	46.1	41.8
GENERAL FARM PRIMARILY CROP	43.9	43.9
TOTAL AGRIC. PROD. LIVESTOCK	48.8	52.0
BEEF CATTLE FEED LOTS	59.3	67.0
BEEF CATTLE EXCEPT FEED LOTS	50.8	53.5
DAIRY FARMS	49.6	53.7
POULTRY & EGGS	44.7	43.6
OTHER LIVESTOCK	47.3	51.9
TOTAL AGRICULTURAL SERVICES	39.0	40.4
CROP SERVICES	41.2	40.2
CROP PLANT-CULT-PROTECTION	44.7	42.4
CROP HARVEST PRIM. MACHINE	46.6	48.6
CROP PREP. SERV. FOR MARKET	39.4	38.2
COTTON GINNING	42.5	40.4
TOTAL FARM LABOR & MANAGEMENT	38.1	40.5
FARM LABOR CONTRACTORS	37.2	39.8
FARM MANAGEMENT SERVICES	52.8	51.3

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 2-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	5.78	5.77
TOTAL AGRIC. PROD. CROPS	5.81	5.77
TOTAL FIELD CROPS	6.62	6.56
COTTON	6.83	6.83
OTHER FIELD CROPS	6.13	5.98
VEGETABLES AND MELONS	5.51	5.50
TOTAL FRUIT AND TREE NUTS	5.69	5.61
GRAPES	5.64	5.72
TREE NUTS	5.84	6.14
CITRUS FRUITS	6.44	6.18
DECIDUOUS TREE FRUIT	5.14	5.17
OTHER FRUITS AND NUTS	6.64	5.58
HORTICULTURAL SPECIALTIES	6.97	8.19
GENERAL FARM PRIMARILY CROP	5.58	5.55
TOTAL AGRIC. PROD. LIVESTOCK	6.82	6.89
BEEF CATTLE FEED LOTS	7.21	6.97
BEEF CATTLE EXCEPT FEED LOTS	6.83	6.88
DAIRY FARMS	6.84	6.91
POULTRY & EGGS	6.69	6.77
OTHER LIVESTOCK	6.75	6.90
TOTAL AGRICULTURAL SERVICES	5.49	5.50
CROP SERVICES	6.07	6.03
CROP PLANT-CULT-PROTECTION	6.99	7.50
CROP HARVEST PRIM. MACHINE	6.13	5.97
CROP PREP. SERV. FOR MARKET	5.72	5.48
COTTON GINNING	8.28	8.32
TOTAL FARM LABOR & MANAGEMENT	5.23	5.31
FARM LABOR CONTRACTORS	5.17	5.27
FARM MANAGEMENT SERVICES	5.90	5.88

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.



TABLE 3-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SOUTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991	JUL 1990
TOTAL AGRICULTURAL	71.9	72.7	72.3
TOTAL AGRIC. PROD. CROPS	49.3	52.5	45.0
VEGETABLES AND MELONS	13.9	13.9	10.5
TOTAL FRUIT AND TREE NUTS	15.7	18.1	14.3
BERRIES	10.5	12.9	9.4
GRAPES	0.9	1.0	0.6
CITRUS FRUITS	2.3	2.2	2.1
OTHER FRUITS AND NUTS	2.0	2.0	2.2
TOTAL HORTICULTURAL SPECIALTIES	15.6	16.0	16.6
ORNAMENTAL FLORAL & NURS PRD	15.0	15.4	15.8
FOOD CROPS GROWN UNDR COVER	0.6	0.6	0.8
GENERAL FARM PRIMARILY CROP	4.1	4.5	3.6
TOTAL AGRIC. PROD. LIVESTOCK	2.9	2.9	2.8
TOTAL AGRICULTURAL SERVICES	19.7	17.3	24.5
CROP SERVICES	5.3	5.4	4.7
CROP HARVEST PRIM. MACHINE	2.2	2.2	1.7
CROP PREP. SERV. FOR MARKET	3.1	3.2	3.0
TOTAL FARM LABOR & MANAGEMENT	14.4	11.9	19.8
FARM LABOR CONTRACTORS	11.5	8.9	17.1
FARM MANAGEMENT SERVICES	2.9	3.0	2.7

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 3-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	64.9	65.3
TOTAL AGRIC. PRODD. CROPS	44.1	46.9
VEGETABLES AND MELONS	12.5	12.3
TOTAL FRUIT AND TREE NUTS	15.1	17.2
BERRIES	10.3	12.6
GRAPES	0.9	0.9
CITRUS FRUITS	2.0	1.9
OTHER FRUITS AND NUTS	1.9	1.8
TOTAL HORTICULTURAL SPECIALTIES	12.7	13.2
ORNAMENTAL FLORAL & NURS PRD	12.2	12.7
FOOD CROPS GROWN UNDR COVER	0.5	0.5
GENERAL FARM PRIMARILY CROP	3.8	4.2
TOTAL AGRIC. PROD. LIVESTOCK	2.2	2.2
TOTAL AGRICULTURAL SERVICES	18.6	16.2
CROP SERVICES	5.0	5.1
CROP HARVEST PRIM. MACHINE	2.2	2.2
CROP PREP. SERV. FOR MARKET	2.8	2.9
TOTAL FARM LABOR & MANAGEMENT	13.6	11.1
FARM LABOR CONTRACTORS	11.0	8.5
FARM MANAGEMENT SERVICES	2.6	2.6

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 3-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	284.93	263.57
TOTAL AGRIC. PROD. CROPS	290.37	263.53
VEGETABLES AND MELONS	296.96	290.84
TOTAL FRUIT AND TREE NUTS	272.64	219.49
BERRIES	264.96	193.91
GRAPES	279.50	259.69
CITRUS FRUITS	311.30	312.34
OTHER FRUITS AND NUTS	267.26	276.85
TOTAL HORTICULTURAL SPECIALTIES	285.20	287.22
ORNAMENTAL FLORAL & NURS PRD	284.75	286.88
FOOD CROPS GROWN UNDR COVER	300.68	285.12
GENERAL FARM PRIMARILY CROP	356.21	289.46
TOTAL AGRIC. PROD. LIVESTOCK	308.10	304.40
TOTAL AGRICULTURAL SERVICES	268.97	258.70
CROP SERVICES	294.30	286.44
CROP HARVEST PRIM. MACHINE	242.82	283.56
CROP PREP. SERV. FOR MARKET	333.25	288.00
TOTAL FARM LABOR & MANAGEMENT	259.50	245.97
FARM LABOR CONTRACTORS	258.62	243.76
FARM MANAGEMENT SERVICES	263.45	251.58

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 3-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	43.5	40.8
TOTAL AGRIC. PROD. CROPS	45.3	41.5
VEGETABLES AND MELONS	46.4	44.0
TOTAL FRUIT AND TREE NUTS	42.8	36.1
BERRIES	41.4	32.7
GRAPES	40.1	37.8
CITRUS FRUITS	47.6	46.0
OTHER FRUITS AND NUTS	46.4	48.4
TOTAL HORTICULTURAL SPECIALTIES	46.0	46.4
ORNAMENTAL FLORAL & NURS PRD	46.3	46.8
FOOD CROPS GROWN UNDR COVER	39.1	35.2
GENERAL FARM PRIMARILY CROP	49.2	41.0
TOTAL AGRIC. PROD. LIVESTOCK	47.4	45.5
TOTAL AGRICULTURAL SERVICES	38.7	38.1
CROP SERVICES	37.3	38.5
CROP HARVEST PRIM. MACHINE	31.7	36.4
CROP PREP. SERV. FOR MARKET	41.5	40.0
TOTAL FARM LABOR & MANAGEMENT	39.2	37.9
FARM LABOR CONTRACTORS	37.7	36.6
FARM MANAGEMENT SERVICES	45.5	42.0

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 3-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	6.55	6.46
TOTAL AGRIC. PROD. CROPS	6.41	6.35
VEGETABLES AND MELONS	6.40	6.61
TOTAL FRUIT AND TREE NUTS	6.37	6.08
BERRIES	6.40	5.93
GRAPES	6.97	6.87
CITRUS FRUITS	6.54	6.79
OTHER FRUITS AND NUTS	5.76	5.72
TOTAL HORTICULTURAL SPECIALTIES	6.20	6.19
ORNAMENTAL FLORAL & NURS PRD	6.15	6.13
FOOD CROPS GROWN UNDR COVER	7.69	8.10
GENERAL FARM PRIMARILY CROP	7.24	7.06
TOTAL AGRIC. PROD. LIVESTOCK	6.50	6.69
TOTAL AGRICULTURAL SERVICES	6.95	6.79
CROP SERVICES	7.89	7.44
CROP HARVEST PRIM. MACHINE	7.66	7.79
CROP PREP. SERV. FOR MARKET	8.03	7.20
TOTAL FARM LABOR & MANAGEMENT	6.62	6.49
FARM LABOR CONTRACTORS	6.86	6.66
FARM MANAGEMENT SERVICES	5.79	5.99

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 4-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
CENTRAL COAST REGION  
(IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991	JUL 1990
TOTAL AGRICULTURAL	78.7	74.5	68.9
TOTAL AGRIC. PROD. CROPS	54.4	49.9	45.0
VEGETABLES AND MELONS	18.1	15.5	14.1
TOTAL FRUIT AND TREE NUTS	21.5	20.4	16.5
BERRIES	17.0	16.5	11.8
GRAPES	1.4	1.6	1.4
DECIDUOUS TREE FRUIT	1.9	1.5	2.2
OTHER FRUITS AND NUTS	1.2	0.8	1.1
TOTAL HORTICULTURAL SPECIALTIES	9.5	9.7	10.1
ORNAMENTAL FLORAL & NURS PRD	7.2	7.4	7.9
FOOD CROPS GROWN UNDR COVER	2.3	2.3	2.2
GENERAL FARM PRIMARILY CROP	5.3	4.3	4.3
TOTAL AGRIC. PROD. LIVESTOCK	1.2	1.2	1.3
TOTAL AGRICULTURAL SERVICES	23.1	23.4	22.6
CROP SERVICES	12.7	12.6	11.4
CROP HARVEST PRIM. MACHINE	4.0	4.3	3.5
CROP PREP. SERV. FOR MARKET	8.7	8.3	7.9
TOTAL FARM LABOR & MANAGEMENT	10.4	10.8	11.2
FARM LABOR CONTRACTORS	9.8	10.2	10.7
FARM MANAGEMENT SERVICES	0.6	0.6	0.5

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 4-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	73.4	69.1
TOTAL AGRIC. PROD. CROPS	50.5	46.1
VEGETABLES AND MELONS	16.9	14.3
TOTAL FRUIT AND TREE NUTS	20.8	19.8
BERRIES	16.8	16.3
GRAPES	1.1	1.4
DECIDUOUS TREE FRUIT	1.8	1.3
OTHER FRUITS AND NUTS	1.1	0.8
TOTAL HORTICULTURAL SPECIALTIES	7.8	7.9
ORNAMENTAL FLORAL & NURS PRD	5.8	5.9
FOOD CROPS GROWN UNDR COVER	2.0	2.0
GENERAL FARM PRIMARILY CROP	5.0	4.1
TOTAL AGRIC. PROD. LIVESTOCK	0.9	0.9
TOTAL AGRICULTURAL SERVICES	22.0	22.1
CROP SERVICES	11.7	11.5
CROP HARVEST PRIM. MACHINE	3.7	3.9
CROP PREP. SERV. FOR MARKET	8.0	7.6
TOTAL FARM LABOR & MANAGEMENT	10.3	10.6
FARM LABOR CONTRACTORS	9.8	10.1
FARM MANAGEMENT SERVICES	0.5	0.5

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 4-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	316.35	334.64
TOTAL AGRIC. PROD. CROPS	320.59	345.77
VEGETABLES AND MELONS	364.91	402.94
TOTAL FRUIT AND TREE NUTS	287.58	310.58
BERRIES	300.84	319.01
GRAPES	360.53	323.02
DECIDUOUS TREE FRUIT	168.76	212.18
OTHER FRUITS AND NUTS	203.04	277.61
TOTAL HORTICULTURAL SPECIALTIES	320.60	329.39
ORNAMENTAL FLORAL & NURS PRD	292.90	310.57
FOOD CROPS GROWN UNDR COVER	400.79	384.86
GENERAL FARM PRIMARILY CROP	309.87	341.53
TOTAL AGRIC. PROD. LIVESTOCK	331.64	330.42
TOTAL AGRICULTURAL SERVICES	305.75	310.75
CROP SERVICES	319.93	338.55
CROP HARVEST PRIM. MACHINE	289.05	288.27
CROP PREP. SERV. FOR MARKET	334.37	364.19
TOTAL FARM LABOR & MANAGEMENT	289.17	279.97
FARM LABOR CONTRACTORS	283.88	275.88
FARM MANAGEMENT SERVICES	396.24	367.20

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.



TABLE 4-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	43.1	44.5
TOTAL AGRIC. PROD. CROPS	44.9	46.6
VEGETABLES AND MELONS	47.7	51.2
TOTAL FRUIT AND TREE NUTS	41.2	41.3
BERRIES	43.1	41.7
GRAPES	46.4	43.3
DECIDUOUS TREE FRUIT	28.7	36.9
OTHER FRUITS AND NUTS	27.0	36.1
TOTAL HORTICULTURAL SPECIALTIES	45.8	47.6
ORNAMENTAL FLORAL & NURS PRD	45.2	48.3
FOOD CROPS GROWN UNDR COVER	47.6	45.6
GENERAL FARM PRIMARILY CROP	49.5	53.7
TOTAL AGRIC. PROD. LIVESTOCK	41.3	41.2
TOTAL AGRICULTURAL SERVICES	38.9	40.2
CROP SERVICES	39.4	41.9
CROP HARVEST PRIM. MACHINE	41.0	41.3
CROP PREP. SERV. FOR MARKET	38.7	42.2
TOTAL FARM LABOR & MANAGEMENT	38.3	38.3
FARM LABOR CONTRACTORS	37.7	38.0
FARM MANAGEMENT SERVICES	50.8	45.0

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 4-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	7.34	7.52
TOTAL AGRIC. PROD. CROPS	7.14	7.42
VEGETABLES AND MELONS	7.65	7.87
TOTAL FRUIT AND TREE NUTS	6.98	7.52
BERRIES	6.98	7.65
GRAPES	7.77	7.46
DECIDUOUS TREE FRUIT	5.88	5.75
OTHER FRUITS AND NUTS	7.52	7.69
TOTAL HORTICULTURAL SPECIALTIES	7.00	6.92
ORNAMENTAL FLORAL & NURS PRD	6.48	6.43
FOOD CROPS GROWN UNDR COVER	8.42	8.44
GENERAL FARM PRIMARILY CROP	6.26	6.36
TOTAL AGRIC. PROD. LIVESTOCK	8.03	8.02
TOTAL AGRICULTURAL SERVICES	7.86	7.73
CROP SERVICES	8.12	8.08
CROP HARVEST PRIM. MACHINE	7.05	6.98
CROP PREP. SERV. FOR MARKET	8.64	8.63
TOTAL FARM LABOR & MANAGEMENT	7.55	7.31
FARM LABOR CONTRACTORS	7.53	7.26
FARM MANAGEMENT SERVICES	7.80	8.16

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 5-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
DESERT REGION  
(IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991	JUL 1990
TOTAL AGRICULTURAL	40.4	52.8	30.8
TOTAL AGRIC. PROD. CROPS	16.2	20.4	9.1
FIELD CROPS	1.8	1.8	1.9
VEGETABLES AND MELONS	2.4	3.9	1.7
TOTAL FRUIT AND TREE NUTS	8.4	9.4	2.2
GRAPES	6.6	6.8	0.5
CITRUS FRUITS	0.4	0.6	0.6
OTHER FRUITS AND NUTS	1.4	2.0	1.1
HORTICULTURAL SPECIALTIES	0.9	1.0	1.0
GENERAL FARM PRIMARILY CROP	2.7	4.3	2.3
TOTAL AGRIC. PROD. LIVESTOCK	5.1	5.3	5.5
DAIRY FARMS	2.2	2.2	2.4
CHICKEN EGGS	1.3	1.4	1.5
OTHER LIVESTOCK	1.6	1.7	1.6
TOTAL AGRICULTURAL SERVICES	19.1	27.1	16.2
CROP SERVICES	7.8	8.8	6.7
CROP PLANT-CULT-PROTECTION	0.8	0.9	0.6
CROP HARVEST PRIM. MACHINE	2.4	2.2	1.5
CROP PREP. SERV. FOR MARKET	4.6	5.7	4.6
TOTAL FARM LABOR & MANAGEMENT	11.3	18.3	9.5

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 5-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
DESERT REGION  
(IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	37.3	49.3
TOTAL AGRIC. PROD. CROPS	14.9	18.8
FIELD CROPS	1.5	1.5
VEGETABLES AND MELONS	2.4	3.8
TOTAL FRUIT AND TREE NUTS	7.9	8.9
GRAPES	6.2	6.4
CITRUS FRUITS	0.4	0.5
OTHER FRUITS AND NUTS	1.3	2.0
HORTICULTURAL SPECIALTIES	0.8	0.8
GENERAL FARM PRIMARILY CROP	2.3	3.8
TOTAL AGRIC. PROD. LIVESTOCK	4.3	4.4
DAIRY FARMS	2.1	2.1
CHICKEN EGGS	0.9	1.0
OTHER LIVESTOCK	1.3	1.3
TOTAL AGRICULTURAL SERVICES	18.1	26.1
CROP SERVICES	7.1	8.2
CROP PLANT-CULT-PROTECTION	0.6	0.8
CROP HARVEST PRIM. MACHINE	2.2	2.0
CROP PREP. SERV. FOR MARKET	4.3	5.4
TOTAL FARM LABOR & MANAGEMENT	11.0	17.9

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 5-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
DESERT REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	270.40	238.61
TOTAL AGRIC. PROD. CROPS	282.75	270.92
FIELD CROPS	316.27	320.22
VEGETABLES AND MELONS	344.81	271.48
TOTAL FRUIT AND TREE NUTS	253.50	221.83
GRAPES	246.89	213.70
CITRUS FRUITS	291.29	250.71
OTHER FRUITS AND NUTS	275.62	239.98
HORTICULTURAL SPECIALTIES	297.48	338.07
GENERAL FARM PRIMARILY CROP	293.89	351.47
TOTAL AGRIC. PROD. LIVESTOCK	412.59	430.54
DAIRY FARMS	487.78	538.14
CHICKEN EGGS	299.78	267.47
OTHER LIVESTOCK	369.89	383.04
TOTAL AGRICULTURAL SERVICES	226.59	182.87
CROP SERVICES	252.51	231.27
CROP PLANT-CULT-PROTECTION	282.15	241.81
CROP HARVEST PRIM. MACHINE	256.03	204.93
CROP PREP. SERV. FOR MARKET	245.76	239.90
TOTAL FARM LABOR & MANAGEMENT	209.50	160.88

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 5-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
DESERT REGION  
(IN HOURS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	40.0	37.4
TOTAL AGRIC. PROD. CROPS	43.3	42.8
FIELD CROPS	52.8	51.4
VEGETABLES AND MELONS	49.9	44.0
TOTAL FRUIT AND TREE NUTS	39.0	35.1
GRAPES	38.1	33.6
CITRUS FRUITS	42.4	36.6
OTHER FRUITS AND NUTS	42.6	39.6
HORTICULTURAL SPECIALTIES	44.4	45.5
GENERAL FARM PRIMARILY CROP	44.8	55.7
TOTAL AGRIC. PROD. LIVESTOCK	51.0	51.5
DAIRY FARMS	50.6	54.8
CHICKEN EGGS	52.5	45.8
OTHER LIVESTOCK	50.6	50.6
TOTAL AGRICULTURAL SERVICES	34.7	31.1
CROP SERVICES	41.6	39.0
CROP PLANT-CULT-PROTECTION	48.9	42.2
CROP HARVEST PRIM. MACHINE	38.1	33.0
CROP PREP. SERV. FOR MARKET	42.3	40.8
TOTAL FARM LABOR & MANAGEMENT	30.1	27.5

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 5-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
DESERT REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	6.76	6.38
TOTAL AGRIC. PROD. CROPS	6.53	6.33
FIELD CROPS	5.99	6.23
VEGETABLES AND MELONS	6.91	6.17
TOTAL FRUIT AND TREE NUTS	6.50	6.32
GRAPES	6.48	6.36
CITRUS FRUITS	6.87	6.85
OTHER FRUITS AND NUTS	6.47	6.06
HORTICULTURAL SPECIALTIES	6.70	7.43
GENERAL FARM PRIMARILY CROP	6.56	6.31
TOTAL AGRIC. PROD. LIVESTOCK	8.09	8.36
DAIRY FARMS	9.64	9.82
CHICKEN EGGS	5.71	5.84
OTHER LIVESTOCK	7.31	7.57
TOTAL AGRICULTURAL SERVICES	6.53	5.88
CROP SERVICES	6.07	5.93
CROP PLANT-CULT-PROTECTION	5.77	5.73
CROP HARVEST PRIM. MACHINE	6.72	6.21
CROP PREP. SERV. FOR MARKET	5.81	5.88
TOTAL FARM LABOR & MANAGEMENT	6.96	5.85

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 6-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SACRAMENTO VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991	JUL 1990
TOTAL AGRICULTURAL	34.7	31.6	37.0
TOTAL AGRIC. PROD. CROPS	24.4	21.8	26.7
RICE	1.4	1.4	1.4
VEGETABLES AND MELONS	1.7	1.5	2.5
TOTAL FRUIT AND TREE NUTS	9.0	7.3	11.0
TREE NUTS	1.7	1.6	1.9
DECIDUOUS TREE FRUIT	5.0	3.5	7.0
OTHER FRUITS AND NUTS	2.3	2.2	2.1
HORTICULTURAL SPECIALTIES	2.9	2.6	2.6
GENERAL FARM PRIMARILY CROP	9.4	9.0	9.2
TOTAL AGRIC. PROD. LIVESTOCK	2.2	2.2	2.2
TOTAL AGRICULTURAL SERVICES	8.1	7.6	8.1
CROP SERVICES	3.0	2.8	2.9
CROP HARVEST PRIM. MACHINE	1.7	1.6	1.6
CROP PREP. SERV. FOR MARKET	1.3	1.2	1.3
TOTAL FARM LABOR & MANAGEMENT	5.1	4.8	5.2

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.



TABLE 6-B  
 AGRICULTURAL PRODUCTION WORKERS (1)  
 SACRAMENTO VALLEY REGION  
 (IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	31.8	28.9
TOTAL AGRIC. PROD. CROPS	22.4	20.0
RICE	1.2	1.2
VEGETABLES AND MELONS	1.6	1.4
TOTAL FRUIT AND TREE NUTS	8.1	6.7
TREE NUTS	1.5	1.4
DECIDUOUS TREE FRUIT	4.5	3.2
OTHER FRUITS AND NUTS	2.1	2.1
HORTICULTURAL SPECIALTIES	2.7	2.3
GENERAL FARM PRIMARILY CROP	8.8	8.4
TOTAL AGRIC. PROD. LIVESTOCK	2.0	2.1
TOTAL AGRICULTURAL SERVICES	7.4	6.8
CROP SERVICES	2.4	2.3
CROP HARVEST PRIM. MACHINE	1.3	1.3
CROP PREP. SERV. FOR MARKET	1.1	1.0
TOTAL FARM LABOR & MANAGEMENT	5.0	4.5

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 6-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	264.32	281.30
TOTAL AGRIC. PROD. CROPS	281.92	295.31
RICE	350.66	362.32
VEGETABLES AND MELONS	376.48	368.84
TOTAL FRUIT AND TREE NUTS	252.29	270.18
TREE NUTS	285.09	284.38
DECIDUOUS TREE FRUIT	235.94	279.85
OTHER FRUITS AND NUTS	266.08	245.80
HORTICULTURAL SPECIALTIES	252.32	250.71
GENERAL FARM PRIMARILY CROP	291.60	305.61
TOTAL AGRIC. PROD. LIVESTOCK	289.49	334.03
TOTAL AGRICULTURAL SERVICES	204.57	223.08
CROP SERVICES	227.88	274.22
CROP HARVEST PRIM. MACHINE	222.60	275.97
CROP PREP. SERV. FOR MARKET	233.87	272.00
TOTAL FARM LABOR & MANAGEMENT	193.12	197.58

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 6-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN HOURS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	46.7	49.7
TOTAL AGRIC. PROD. CROPS	49.2	51.9
RICE	53.7	55.4
VEGETABLES AND MELONS	54.8	55.8
TOTAL FRUIT AND TREE NUTS	43.8	47.4
TREE NUTS	48.9	48.2
DECIDUOUS TREE FRUIT	40.4	48.5
OTHER FRUITS AND NUTS	47.6	45.1
HORTICULTURAL SPECIALTIES	44.5	43.3
GENERAL FARM PRIMARILY CROP	54.0	56.7
TOTAL AGRIC. PROD. LIVESTOCK	44.4	48.2
TOTAL AGRICULTURAL SERVICES	39.8	43.4
CROP SERVICES	39.7	45.4
CROP HARVEST PRIM. MACHINE	42.4	48.5
CROP PREP. SERV. FOR MARKET	36.6	41.4
TOTAL FARM LABOR & MANAGEMENT	39.9	42.4

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 6-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	5.66	5.66
TOTAL AGRIC. PROD. CROPS	5.73	5.69
RICE	6.53	6.54
VEGETABLES AND MELONS	6.87	6.61
TOTAL FRUIT AND TREE NUTS	5.76	5.70
TREE NUTS	5.83	5.90
DECIDUOUS TREE FRUIT	5.84	5.77
OTHER FRUITS AND NUTS	5.59	5.45
HORTICULTURAL SPECIALTIES	5.67	5.79
GENERAL FARM PRIMARILY CROP	5.40	5.39
TOTAL AGRIC. PROD. LIVESTOCK	6.52	6.93
TOTAL AGRICULTURAL SERVICES	5.14	5.14
CROP SERVICES	5.74	6.04
CROP HARVEST PRIM. MACHINE	5.25	5.69
CROP PREP. SERV. FOR MARKET	6.39	6.57
TOTAL FARM LABOR & MANAGEMENT	4.84	4.66

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

TABLE 7-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
NORTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991	JUL 1990
TOTAL AGRICULTURAL	14.8	14.7	12.9
TOTAL AGRIC. PROD. CROPS	10.1	10.1	8.9
TOTAL FRUIT AND TREE NUTS	8.3	8.4	7.1
GRAPES	7.0	7.2	5.5
OTHER FRUITS AND NUTS	1.3	1.2	1.6
TOTAL HORTICULTURAL SPECIALTIES	1.2	1.2	1.3
GENERAL FARM PRIMARILY CROP (2)	0.6	0.5	0.5
TOTAL AGRIC. PROD. LIVESTOCK	2.1	2.0	2.2
TOTAL AGRICULTURAL SERVICES	2.6	2.6	1.8

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

(2) INSUFFICIENT SAMPLE TO SUPPORT PRODUCTION WORKER, OR HOURS AND EARNINGS ESTIMATES.

TABLE 7-B  
 AGRICULTURAL PRODUCTION WORKERS (1)  
 NORTH COAST REGION  
 (IN THOUSANDS)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	12.3	11.9
TOTAL AGRIC. PROD. CROPS	8.2	8.0
TOTAL FRUIT AND TREE NUTS	6.7	6.5
GRAPES	5.5	5.4
OTHER FRUITS AND NUTS	1.2	1.1
TOTAL HORTICULTURAL SPECIALTIES	1.0	1.0
TOTAL AGRIC. PROD. LIVESTOCK	1.7	1.6
TOTAL AGRICULTURAL SERVICES	2.4	2.3

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 7-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	300.46	324.69
TOTAL AGRIC. PROD. CROPS	275.77	297.91
TOTAL FRUIT AND TREE NUTS	274.82	301.98
GRAPES	285.14	317.26
OTHER FRUITS AND NUTS	226.61	220.76
TOTAL HORTICULTURAL SPECIALTIES	292.93	301.72
TOTAL AGRIC. PROD. LIVESTOCK	298.98	313.29
TOTAL AGRICULTURAL SERVICES	385.95	425.20

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 7-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	42.8	44.6
TOTAL AGRIC. PROD. CROPS	40.2	41.9
TOTAL FRUIT AND TREE NUTS	39.6	42.0
GRAPES	38.9	41.8
OTHER FRUITS AND NUTS	43.0	42.7
TOTAL HORTICULTURAL SPECIALTIES	39.8	39.7
TOTAL AGRIC. PROD. LIVESTOCK	45.3	46.9
TOTAL AGRICULTURAL SERVICES	49.8	52.3

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.



TABLE 7-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	JUL 1991	JUN 1991
TOTAL AGRICULTURAL	7.02	7.28
TOTAL AGRIC. PROD. CROPS	6.86	7.11
TOTAL FRUIT AND TREE NUTS	6.94	7.19
GRAPES	7.33	7.59
OTHER FRUITS AND NUTS	5.27	5.17
TOTAL HORTICULTURAL SPECIALTIES	7.36	7.60
TOTAL AGRIC. PROD. LIVESTOCK	6.60	6.68
TOTAL AGRICULTURAL SERVICES	7.75	8.13

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.